

**RECEIVED  
CENTRAL FAX CENTER****AUG 04 2005****PATENT****IN THE UNITED STATES PATENT & TRADEMARK OFFICE**In re application of: **Brian Mitchell Bass, et al.**Serial Number: **10/650,397**Examiner: **LY, Anh**Filed: **August 28, 2003**Art Unit: **2162**For: **Full Match (FM) Search Algorithm Implementation for a Network Processor****DECLARATION UNDER 37 CFR 1.132**

The undersigned declare as follows:

1. We, James Johnson Allen, Jr. and Santosh Prasad Gaur, are co-inventors of United States Patent 6,404,752 B1, cited as prior art against the above-identified patent application. We are submitting this Declaration to disclaim inventorship in the subject matter of the above subject patent application.

2. Brian Mitchell Bass, Jean Louis Calvignac, Marco C. Heddes, Michael Steven Siegel and Fabrice Jean Verplanken, are co-inventors on the above-identified patent application and United States Patent 6,404,752 B1.

3. We, James Johnson Allen, Jr. and Santosh Prasad Gaur, and the inventors of the above-identified patent application were employed by International Business Machines Corporation at its Research Triangle Park (RTP) campus, North Carolina.

4. The inventors of the above-identified patent application and the inventors, including us, of U.S. Patent 6,404,752 B1 worked on the same development project from which the above-identified patent application and U.S. Patent 6,404,752 B1 were conceived. All of us frequently exchange information within IBM including ideas about the design of the overall

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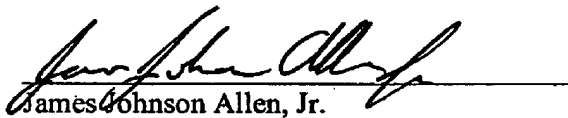
## PATENT

system which includes the invention in U.S. Patent 6,404,752 B1 and others.

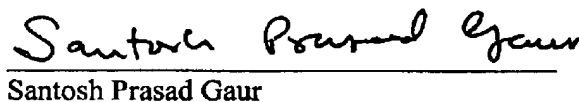
5. To the extent any subject matter claimed in the above-identified patent application was included in United States Patent 6,404,752 B1, we, James Johnson Allen, Jr., and Santosh Prasad Gaur, disclaim inventorship in the subject matter.

6. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

Further saith declarants naught.

  
James Johnson Allen, Jr.

Date: 7/27 2005

  
Santosh Prasad Gaur

Date: July 27 2005

## PATENT

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

In re application of: Brian Mitchell Bass, et al.

Serial Number: 10/650,397

Examiner: LY, Anh

Filed: August 28, 2003

Art Unit: 2162

For: Full Match (FM) Search Algorithm Implementation for a Network Processor

**DECLARATION UNDER 37 CFR 1.132**

Now comes the undersigned declare as follows:

1. We are the co-inventors on the above-identified patent application and we are submitting this Declaration in support of the prosecution of this patent application.

2. We, Brian Mitchell Bass, Jean Louis Calvignac, Marco C. Heddes, Antonios Maragos, Piyush Chumilal Patel, Michael Steven Siegel and Fabrice Jean Verplanken, are the co-inventors of the subject matter claimed in above-identified patent application and that we did conceive and invent the subject matter claimed in the above-identified patent application.

3. To the extent that any subject matter claimed in the above-identified patent application was included in United States Patent 6,404,752 B1 filed by James Johnson Allen, Jr., Brian Mitchell Bass, Jean Louis Calvignac, Santosh Prasad Gaur, Marco C. Heddes, Michael Steven Siegel, and Fabrice Jean Verplanken, we assert that such inclusion was based on details of the present invention disclosed by us, the inventors of the above-identified patent application. Thus, the part of the patent which includes material claimed in the above-identified patent application should be attributed to us.

4. The inventors listed in paragraph 2 above and the inventors of U.S. Patent

Serial No. 10/650,397

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## PATENT

6,404,752 B1 listed in paragraph 3 above include common inventors. Further, all of the inventors listed in paragraphs 2 and 3 above were employed by International Business Machines Corporation (IBM) at the time the present invention was conceived. All of those inventors frequently exchanged information within IBM, including ideas about the design of the overall system which included the invention set forth in claims 14-23 of the above-identified patent application, as well as other inventions.

5. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

Further saith declarants naught.

Brian Mitchell Bass  
Brian Mitchell Bass

Date: 7-15- 2005

\_\_\_\_\_  
Jean Louis Calvignac

Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Marco C. Heddes

Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Antonios Maragos

Date: \_\_\_\_\_ 2005

Piyush Chumilal Patel  
Piyush Chumilal Patel

Date: July 27, 2005

Michael Steven Siegel  
Michael Steven Siegel

Date: July 15, 2005

Fabrice Jean Verplanken  
Fabrice Jean Verplanken

Date: July 11, 2005

PATENT

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3. To the extent that any subject matter claimed in the above-identified patent application was included in United States Patent 6,404,752 B1, filed by James Johnson Allen, Jr., Brian Mitchell Bass, Jean Louis Calvignac, Santosh Prasad Gaur, Marco C. Heddes, Michael Steven Siegel, and Fabrice Jean Verplanken, we assert that such inclusion was based on details of the present invention disclosed by us, the inventors of the above-identified patent application. Thus, the part of the patent which includes material claimed in the above-identified patent application should be attributed to us.

Serial No. 10/650,397

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4. The inventors listed in paragraph 2 above and the inventors of U.S. Patent 6,404,752 B1 listed in paragraph 3 above include common inventors. Further, all of the inventors listed in paragraphs 2 and 3 above were employed by International Business Machines Corporation (IBM) at the time the present invention was conceived. All of those inventors frequently exchanged information within IBM, including ideas about the design of the overall system which included the invention set forth in claims 14-23 of the above-identified patent application, as well as other inventions.

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Further saith declarants naught.

\_\_\_\_\_  
Brian Mitchell Bass

Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Jean Louis Calvignac

Date: \_\_\_\_\_ 2005

*Marco C Heddes*  
\_\_\_\_\_  
Marco C. Heddes

Date: *7/11/05* 2005

\_\_\_\_\_  
Antonios Maragkos

Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Piyush Chunilal Patel

Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Michael Steven Siegel

Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Fabrice Jean Verplanken

Date: \_\_\_\_\_ 2005

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\_\_\_\_\_  
Brian Mitchell Bass Date: \_\_\_\_\_ 2005

Jean Louis Calvignac  
Jean Louis Calvignac Date: 7/27 2005

\_\_\_\_\_  
Marco C. Heddes Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Antonios Maragos Date: \_\_\_\_\_ 2005

\_\_\_\_\_  
Piyush Chunilal Patel Date: \_\_\_\_\_ 2005

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Michael Steven Siegel Date: \_\_\_\_\_ 2005

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Fabrice Jean Verplanken Date: \_\_\_\_\_ 2005